



Dart Aerospace Ltd.
1270 Aberdeen St
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Canada

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007377

D119-646-213
Job Sheet 187665



Part No: D119-646-213

Job Qty: 1 ea

Part Name: AW119 Skidtube with Heavy Duty Wearplates, Float Compatible - LH



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 12/11/18

Job Tracking No:

Due Date: 1/18/19

Created By: Jesse White

Type: SOLD

Description:

Note: IIN-D119-646 REV.D IPP RevA: New issue DD verified by:EC IPP Rev:B 12.09.12 as per ECN12-644 DD
verf:JLM IPP REV:C 12.11.05 raise to chg003 (ECN 12-675) DD verf:JLM IPP REV:D 13.03.20 raise to chg004
(ECN 13-534) DD verf:JLM IPP REV:E 14.11.25 chg004 (ECN 14-628) DD verf:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	1/18/19	1/18/19	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	1 pcs	1/18/19	1/18/19	0.00	0.00	Packaging1-1		
120	QC	1 pcs	1/18/19	1/18/19	0.00	0.00	QC4		
130	Packaging	1 pcs	1/18/19	1/18/19	0.00	0.00	Packaging3-1		
135	DC	1 pcs	1/18/19	1/18/19	0.00	0.00	DC		
140	QC21-FG	1 Ea	1/18/19	1/18/19	0.00	0.00	QC21		

Part Op 130 - Identify and pack for shipping as per PPP D119-642-213 Location: _____ PPP rev: _____
Descriptions: 135 - Photocopy bluefile & type labels per PPP D119-646-213 CHG 007



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Container No: S142890



Part: D119-646-213

Job No: 187665

Serial No/Batch: S142890

Revision: 0

Inspector:

Exp Date:

Instructions: FAA STC SR02024SE 15/10/2018, TC, STC LoA P-09-0407-RDIA

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3C50A	Bolt	8 Ea (8 ea)	90-Start up Operation	5095437
AN4C6A	Bolt	12 Ea (12 ea)	90-Start up Operation	5100397
D119-646-243	AW119 Repl. Skidtube with Heavy Duty Wearplates, Float Compatible 1 Ea (1 ea)	1 Ea (1 ea)	90-Start up Operation	5136898 5136898
D119-646-311	Ground Handling	1 pcs (1 ea)	90-Start up Operation	5078635
D2652	Bushing	16 Ea (16 ea)	90-Start up Operation	5131519
D2712	Set Screw	12 pcs (12 ea)	90-Start up Operation	5059557
D3407-041	Tow Ring	1 pcs (1 ea)	90-Start up Operation	5136120
D3417-5	Washer	2 Ea (2 ea)	90-Start up Operation	5142087
D3456-1	Washer	1 pcs (1 ea)	90-Start up Operation	5079335
D3672-3	Washer, Phenolic	24 Ea (24 ea)	90-Start up Operation	5151565
D3672-7	Washer, Phenolic	24 Ea (24 ea)	90-Start up Operation	5120670
D3883-1	Saddle, Outboard LH	2 Ea (2 ea)	90-Start up Operation	5122698
D3884-1	Saddle, Inside LH	2 Ea (2 ea)	90-Start up Operation	5103374
MS21043-3	Nut	8 Ea (8 ea)	90-Start up Operation	5109966
MS21043-4	Nut	13 Ea (13 ea)	90-Start up Operation	5119223
MS21250-05-006	Bolt	8 Ea (8 ea)	90-Start up Operation	FM13704
NAS1149C0332R	Washer	8 Ea (8 ea)	90-Start up Operation	5104357
NAS1149C0432R	Washer	24 Ea (24 ea)	90-Start up Operation	5103970
NAS1149C0532R	Washer	8 Ea (8 ea)	90-Start up Operation	5106842

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3C50A	8	173	0
	AN4C6A	12	364	0
	D119-646-243	1	0	0
	D119-646-311	1	7	0
	D2652	16	305	0
	D2712	12	707	0
	D3407-041	1	16	0
	D3417-5	2	8	0
	D3456-1	1	223	0
	D3672-3	24	1,106	0
	D3672-7	24	1,215	0
	D3883-1	2	13	0
	D3884-1	2	9	0
	MS21043-3	8	838	0
	MS21043-4	13	751	0
	MS21250-05-006	8	88	0
	NAS1149C0332R	8	2,508	0
	NAS1149C0432R	24	1,644	0
	NAS1149C0532R	8	402	0

Part Specifications

Specifications could not be found.

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

6.2 Float Skidtubes

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
	X												D119-646-013	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, LH
		X											D119-646-014	FLOAT SKIDTUBE INSTALLATION WITH WEARPADS, RH
			X										D119-646-113	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, LH
				X									D119-646-114	FLOAT SKIDTUBE INSTALLATION WITH FULL LENGTH WEARPLATES & WEARPADS, RH
					X								D119-646-213	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, LH
						X							D119-646-214	FLOAT SKIDTUBE INSTALLATION WITH TRAINING WEARPLATES, RH
	1	1					X						D119-646-043	REPLACEMENT FLOAT SKIDTUBE WITH WEARPADS
			1	1				X					D119-646-143	REPLACEMENT FLOAT SKIDTUBE WITH FULL LENGTH WEARPLATES & WEARPADS
									X				D119-646-153	WEARPLATE KIT STANDARD SKIDTUBE
					1	1				X			D119-646-243	REPLACEMENT FLOAT SKIDTUBE WITH TRAINING WEARPLATES
											X		D119-646-253	TRAINING WEARPLATES FLOAT SKIDTUBE
	1	1	1	1	1	1						X	D119-646-311	GROUND HANDLING KIT
1							1						D3905-041	FLOAT SKIDTUBE ASSY. WITH WEARPAD
20								1					D3905-043	FLOAT SKIDTUBE ASSY. WITH WEARPLATE & WEARPAD
26									1				D3847-043	FWD WEARPLATE ASSY
27									1				D3847-045	CENTER WEARPLATE ASSY
28									1				D3847-049	AFT WEARPLATE ASSY
29									8				D3847-1	WEARPAD
30									1				D3847-11	WEARPAD
31									42				AN3C5A	BOLT
32									42				AN960C10L	WASHER (OR NAS1149C0332R)
40										1			D3905-045	FLOAT SKIDTUBE ASSY. TRAINING WEARPLATE
44											1		D3849-047	FWD TRAINING WEARPLATE ASSY
45											1		D3849-045	AFT TRAINING WEARPLATE ASSY
48											1		D3847-1	WEARPAD
49											1		D3847-11	WEARPAD
51											16		D3904-1	WASHER
52											8		AN3C46A	BOLT
53											8		MS21043-3	NUT
54											10		AN3C5A	BOLT
55											10		AN960C10L	WASHER (OR NAS1149C0332R)
60	2		2		2								D3883-1	SADDLE, OUTSIDE, LH
61		2		2		2							D3883-2	SADDLE, OUTSIDE, RH
62	2		2		2								D3884-1	SADDLE, INSIDE, LH
63		2		2		2							D3884-2	SADDLE, INSIDE, RH
64	16	16	16	16	16	16							D2652	BUSHING
65	8	8	8	8	8	8							AN3C50A	BOLT
66	12	12	12	12	12	12							AN4C6A	BOLT
67	8	8	8	8	8	8							MS21250-05006	BOLT
68	8	8	8	8	8	8							AN960C10L	WASHER (OR NAS1149C0332R)
69	24	24	24	24	24	24							AN960C416L	WASHER (OR NAS1149C0432R)
70	8	8	8	8	8	8							AN960C516L	WASHER (OR NAS1149C0532R)

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Revision: **D**
 Date: 17.02.21

Item	Qty -013	Qty -014	Qty -113	Qty -114	Qty -213	Qty -214	Qty -043	Qty -143	Qty -153	Qty -243	Qty -253	Qty -311	Part Number	Description
71	8	8	8	8	8	8							MS21043-3	NUT
72	12	12	12	12	12	12							MS21043-4	NUT
73	12	12	12	12	12	12							D2712	SET SCREW
74	16	16	16	16	16	16							D3672-7	WASHER
75	24	24	24	24	24	24							D3672-3	WASHER
76	8	8	8	8	8	8							D3672-7	WASHER
80	1	1	1	1	1	1							D3407-041	TOW RING
81	2	2	2	2	2	2							D3417-5	WASHER
82	1	1	1	1	1	1							D3456-1	WASHER
83	1	1	1	1	1	1							MS21043-4	NUT
90												2	D3886-041	LUG ASSEMBLY
91												8	D2652	BUSHING
92												4	AN3C46A	BOLT
93												4	AN960C10L	WASHER (OR NAS1149C0332R)
94												4	MS21043-3	NUT
100	3	3	3	3									AN3C45A	BOLT
101					(3)	(3)							AN3C50A	BOLT
102	3	3	3	3									AN3C45A	BOLT
103					(3)	(3)							AN3C46A	BOLT
104					(9)	(9)							D3904-1	WASHER
109	12	12	12	12	(3)	(3)							AN960C10L	WASHER (OR NAS1149C0332R)
110	6	6	6	6	(6)	(6)							MS21043-3	NUT
111	(3)	(3)	(3)	(3)	(3)	(3)							D5101-041	CROSSBOLT SPACER ASSY
112	(6)	(6)	(6)	(6)	(6)	(6)							D5101-3	INSERT
113	(6)	(6)	(6)	(6)	(6)	(6)							D5101-5	INSERT
114	(3)	(3)	(3)	(3)	(3)	(3)							AN4-46A	BOLT
115	(6)	(6)	(6)	(6)	(6)	(6)							NAS1149D0416J	WASHER
116	(3)	(3)	(3)	(3)	(3)	(3)							MS21043-4	NUT
*120													MS21250-05048	BOLT
*121													NAS1149C0532R	WASHER
*122													D3672-7	WASHER
*123													MS21043-5	NUT
*124													D5449-1	FLOAT SADDLE WASHER

() ITEMS IN BRACKETS ARE REF. ONLY AND DO NOT NEED TO BE INCLUDED WITH KIT.
AS THEY ARE ALREADY INSTALLED ON SKIDTUBE.

* SUPPLIED WITH DART CROSSTUBES